

20010312.qrp v02_n125.qrl.20010312

Date: Mon, 12 Mar 2001 19:03:10 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2125

QRP-L Digest 2125

Topics covered in this issue include:

- 1) [93980] OT: Ten-tec reflector info?
by Patrick Armstrong <aa7fg@gte.net>
- 2) [93981] Re: message repeats????
by "Rich Wilkerson" <richqrp@home.com>
- 3) [93982] Re: message repeats????
by Bruce Grubbs <n7ceeqr@earthlink.net>
- 4) [93983] QSK IS GREAT BUTFw: Re: Opinion on FT-847 on HF?
by Walter D Amos <walt_amos@juno.com>
- 5) [93984] Re: message repeats????
by "J. Ervin Bates" <w8erv@earthlink.net>
- 6) [93985] Re: OT: Ten-tec reflector info?
by Russ Dow <n7dw@pacbell.net>
- 7) [93986] Re: Opinion on FT-847 on HF?
by "Alan Kaul" <alan.kaul@worldnet.att.net>
- 8) [93987] Re: IF cans, how to identify
by "Leon Heller" <leon_heller@hotmail.com>
- 9) [93988] Help with a load switching problem - not really QRP
by Scott Gregson - KC7MAS <emtech@steadynet.com>
- 10) [93989] TenTec Argo II (535) FS/Trade
by Doug Bankston <dougbankston1@yahoo.com>
- 11) [93990] Re: message repeats????
by Walter D Amos <walt_amos@juno.com>
- 12) [93991] Fw: QSK IS GREAT BUTFw: Re: Opinion on FT-847 on HF?
by Walter D Amos <walt_amos@juno.com>
- 13) [93992] Re: QRP-L Full ?? Bounced e-mail??
by "Mike Yetsko" <myetsko@insydesw.com>
- 14) [93993] Re: message repeats????
by mulveyr@iname.com
- 15) [93994] Re: 10.7 MHz transformer question
by K5BDZ@aol.com
- 16) [93995] FS: PSK-20 with case
by "Rod Cerkoney" <n0rc@hotmail.com>
- 17) [93996] Re: Whiterook
by Shepherd@aol.com
- 18) [93997] Re: Please fix!!!

- by Chris Trask <ctrask@primenet.com>
- 19) [93998] Re: Please fix!!!
by "Mike Yetsko" <myetsko@insydesw.com>
- 20) [93999] Re: Opinion on FT-847 on HF?
by Dave Sjolín <sjolin@swbell.net>
- 21) [94000] Yaesu FT-847 -- No QSK, No VOX
by "Chuck Carpenter" <w5usj@globeco.net>
- 22) [94001] Michigan QRP Net
by ed.kwik@delphiauto.com
- 23) [94002] Re: OT: Ten-tec reflector info?
by "Dave Marling" <dbm@klis.com>
- 24) [94003] RE: Opinion on FT-847 on HF?
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
- 25) [94004] TS-830S & HD-1410
by "Mugleston, Brad" <brad.mugleston@gwl.com>
- 26) [94005] Re: 125 years ago today
by Bill Coleman <aa4lr@arrl.net>
- 27) [94006] Oops! (Was OT: Ten-tec reflector info?)
by Russ Dow <n7dw@pacbell.net>
- 28) [94007] RE:
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 29) [94008] Re: Standalone QRP RTTY homebrew system?
by "laura halliday" <marsgal42@hotmail.com>
- 30) [94009] Re: 125 years ago today
by "Bruce Kizerian" <kizerian@ced.utah.edu>
- 31) [94010] FS: Shack Cleaning
by kfglynn@mindspring.com
- 32) [94011] WE6W
by agtaylor@llnl.gov
- 33) [94012] NETXQRP Club Meeting
by "Chuck Carpenter" <w5usj@globeco.net>
- 34) [94013] trade - BLT
by Michael Goins <mgoins@usa.net>
- 35) [94014] Re: 125 years ago today
by "Don Wilhelm" <w3fpr@arrl.net>
- 36) [94015] For Sale - NorCal -20 Kit (unbuilt)
by david gauding <david.gauding@bbs.galilei.com>
- 37) [94016] Elecraft K1/ F5PBL Claude
by Ken Brown <n4so@juno.com>
- 38) [94017] Radio Shack DSP unit spoken for
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 39) [94018] RE: Help with a load switching problem - not really QRP
by Scott Gregson - KC7MAS <emtech@steadynet.com>
- 40) [94019] Circuit Board Update
by sergio <sergio@village-buzz.com>
- 41) [94020] Re: Which processor, Thanks!
by "laura halliday" <marsgal42@hotmail.com>
- 42) [94021] RE: Random length, end-fed wire antenna question

by "AI2Q Alex" <ai2q@adelphia.net>
43) [94022] Re: Air variable capacitor value
by "Brian" <bmmurray@amexol.net>
44) [94023] Sprint fun!
by "T.W." <wb5qyt@abq.com>
45) [94024] K8FF Homepage
by k8ff@juno.com
46) [94025] 500 v. 250 Filter Question
by "elawson" <elawson@lawson-philpot.com>
47) [94026] Re: 500 v. 250 Filter Question
by Bryn Joynes <bryn@pcpractice.com>
48) [94027] RE: Copper Clad Board
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
49) [94028] RE: Copper Clad Board
by "Mugleston, Brad" <brad.mugleston@gwl.com>
50) [94029] K8FF PHOTO NOW WORKING
by k8ff@juno.com
51) [94030] Re: 500 v. 250 Filter Question
by =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@yahoo.com>
52) [94031] Re: 500 v. 250 Filter Question
by "Karl F. Larsen" <k5di@zianet.com>
53) [94032] K1 #599 on the air!
by Craig Hall <kv4ee@bellsouth.net>
54) [94033] RE: 500 v. 250 Filter Question
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
55) [94034] Re: 500 v. 250 Filter Question
by agtaylor@llnl.gov
56) [94035] MFJ: QRP Cub 40 M
by "Pearson, Andrew Lennart" <apearson@flsouthern.edu>
57) [94036] Re: 500 v. 250 Filter Question
by "Phil (VA3UX)" <phil@vaxxine.com>
58) [94037] QRPTTF
by "Terry Bassett" <mutabut@net66.com>
59) [94038] Re: MFJ: QRP Cub 40 M
by "Mike WA8BXN" <hubby2k@hotmail.com>
60) [94039] OPERATING - QRP-TTF de W5YW
by n5ib@juno.com
61) [94040] FS: Argonaut 515 & 208A filter
by Dave Redfearn <n4elm@home.com>
62) [94041] Re: 500 v. 250 Filter Question
by RangerSF5@aol.com
63) [94042] HB - K7Q0's SW-30 Manhattan Project
by n5ib@juno.com

Date: Sun, 11 Mar 2001 20:21:33 -0800
From: Patrick Armstrong <aa7fg@gte.net>

To: qrp-1@Lehigh.EDU
Subject: [93980] OT: Ten-tec reflector info?
Message-ID: <3AAC4ECD.5C340689@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Listening to the TT net on 20M SSB this afternoon from Oregon and amazed
at the number of check-ins (61 total) and all the great sounding TT
gear... Does anyone have information on how to join the TT reflector? I
appreciate the help...

Pat - AA7FG, Oregon
TT Argosy 525 (analog)

Date: Sun, 11 Mar 2001 20:45:12 -0800
From: "Rich Wilkerson" <richqrp@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <jaevans@codenet.net>
Subject: [93981] Re: message repeats????
Message-ID: <009201c0aaaf\$39df2d20\$f5460418@elcjin1.sdca.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just got back and checked my mail, only been an hour or so, 195 new
messages..... yes I think something is wrong also..... Rich / WD6FDD

----- Original Message -----
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, March 11, 2001 7:19 PM
Subject: message repeats????

> Greetings,
>
> Is anyone else getting message repeats right now from the last week or
is
> it just me or my ISP that is having a deja burp??

>
> BTW, I finished my MS-15 to match my MS-30 from Steve Weber - these two
> little rigs are very nice and will go together in a single case with
switch
> for a two-band backpacking rig for 30m and 15m.
>
> 72 - john - n0hj
>
>

Date: Sun, 11 Mar 2001 21:48:03 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: jaevans@codenet.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [93982] Re: message repeats????
Message-ID: <5.0.2.1.0.20010311214716.00a9de90@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

John,
I certainly am. I posted a for sale message on the 6th and it just got
reposted. Talking about deja vu!
73
Bruce

Bruce Grubbs
N7CEE
Flagstaff, Arizona
DM45ef

Date: Sun, 11 Mar 2001 22:10:16 GMT
From: Walter D Amos <walt_amos@juno.com>
To: qrp-l@lehigh.edu
Subject: [93983] QSK IS GREAT BUTFw: Re: Opinion on FT-847
on HF?
Message-ID: <20010311.222911.-120683.3.walt_amos@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Folks:

Qsk is great until you wear out a vacuum relay and have to replace it !
It probably gives you a edge in a DX pile up, but in contesting where you
just send a programmed reply I use a foot switch or vox with about 5 ms
delay. Just enough delay so the darn thing is switching away like crazy
for long contest hours at the rig and wearing it's little heart out.

Walt K8CV

----- Forwarded message -----

From: "Chuck Carpenter" <w5usj@globeco.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Date: Sun, 11 Mar 2001 16:35:24 -0600
Subject: Re: Opinion on FT-847 on HF?
Message-ID: <3.0.2.32.20010311163524.006af0d4@mail.globeco.net>
References: <20010311000308Z76377-20847+252@astro.CC.Lehigh.EDU>
<004101c0a9d5\$45fcd6a0\$7329f7a5@oemcomputer>

Folks,

This is not exactly true.

>>

>> There might be other shortcomings that I am unaware of, but
significantly --

>> these are key and critical if you want to work contests on either SSB
or
CW.

>

>No QSK!!

>

The rig has QSK which is relay controlled. The relay chatters and is
distracting. I use semi-breakin with fast recovery so it breaks between
words at about 18/20 wpm. Works for me but fast CW ops wouldn't be happy
with this arrangement.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
RARA #3, NETXQRP <http://www.angelfire.com/tx4/netxqrpclub/>
[TMPS] Qs - 80, States - 29, DX - 22, 3W to HF9V (or W9INN Inv V)

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 12 Mar 2001 00:09:55 -0500
From: "J. Ervin Bates" <w8erv@earthlink.net>
To: <n7ceeqrp@earthlink.net>, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [93984] Re: message repeats????
Message-ID: <B6D1C354.1AA5%w8erv@earthlink.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Looks like a glitch in the system....I got 150 messages (plus), dating back to the 6th. Give that delete key a workout, gang! :-)

72,
Erv W8ERV

Date: Sun, 11 Mar 2001 22:19:28 -0800
From: Russ Dow <n7dw@pacbell.net>
To: aa7fg@gte.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [93985] Re: OT: Ten-tec reflector info?
Message-ID: <3AAC6A70.2A8859FD@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi Pat,

I'm cc'ing the list in case others might be interested.
Try this:

<http://www.qsl.net/n4zwq/reflect.htm>

This page has info for a number of reflectors. Follow the instructions for the TenTec Reflector, near the top of the list. Hope this helps.

73,
Russ N7DW

Patrick Armstrong wrote:

>
> Listening to the TT net on 20M SSB this afternoon from Oregon and amazed
>
> at the number of check-ins (61 total) and all the great sounding TT
> gear... Does anyone have information on how to join the TT reflector? I
> appreciate the help...
>
> Pat - AA7FG, Oregon
> TT Argosy 525 (analog)

Date: Sun, 11 Mar 2001 22:32:47 -0800
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: "Dave Sjolin" <sjolin@swbell.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [93986] Re: Opinion on FT-847 on HF?
Message-ID: <01a901c0aabe\$4224f3c0\$b206500c@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave, et. al., who have joined the fray over full break-in....

I'm a low-to-medium level contestor working up to 400-600 max QSO's on
CW in a CQ or ARRL contest weekend, usually at speeds of 25-30, with
occasional program-driven (TR 6.5x or CT 8.5x) 35-40wpm exchanges.

I am not bothered by the FT-847's existing 'semi-break-in' circuit. If I
were a top-10 contest finisher, my radio of choice would be something
else -- FT1000mp, Mark V, for example. But the FT847 is an adequate
"compromise" rig, offering 1.8mhz to 432 in a single package, with data port
for packet and psk, etc.

However, since I've never used full QSK I will admit I don't necessarily
know what I'm missing!!

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org , <http://home.att.net/~alan.kaul/index.html>

Date: Mon, 12 Mar 2001 08:26:47
From: "Leon Heller" <leon_heller@hotmail.com>
To: dsirait@centrin.net.id, qrp-1@Lehigh.EDU
Subject: [93987] Re: IF cans, how to identify
Message-ID: <F30zoWfQvaHUhShJUAW00009974@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>
>Dear Gang,
>
>Since we are talking about scrounging parts, I recall of
>my problem in identifying the 455 IF and the 10.7 cans,
>they just look very similar.

If you have a signal generator, you could check the resonant frequency of the tuned winding.

73, Leon

--

Leon Heller, G1HSM Tel: (work): +44 1327 357824 (home): +44 1327 359058
Email:leon_heller@hotmail.com My web page:
http://www.geocities.com/leon_heller IRISYS Ltd: <http://www.irisys.co.uk>

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Mon, 12 Mar 2001 02:57:35 -0800
From: Scott Gregson - KC7MAS <emtech@steadynet.com>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [93988] Help with a load switching problem - not really QRP
Message-ID: <3AACAB9F.AF2002AC@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I need help turning off my motor - man am I tired, I can't even think of another way to say that 3:50am I need sleep!

To see the problem I am having go to:

<http://emtech.steadynet.com/charger/problem.html>

Here is the text from that URL (in case you only have email, the website has a schematic):

What I am trying to do is turn off the load (a motor) when the supply voltage drops below a set point. I am using the IRF510 as the switch, and the MC34164P-3 as the comparator to shut off the load. Voltage divider A is set so that when the supply voltage drops below 10.5 volts there is 2.74 volts at "A". The resistor R3 is the pull-up to turn the MOSFET on. The resistor R4 is not always needed - I've made it work with it there and without it there.

Now the problem. For some reason, when the mosfet is on, I read a higher voltage at "A" than when the MOSFET is off. The MC34164P-3 is a special voltage comparator that is very precise - it switches state at 2.74 volts drawing the gate of the MOSFET to ground (I mean at 2.74 volts period - only the LM339 was more precise, but it caused oscillation due to other stuff in the circuit - long story!!). I have remove the comparator from the circuit to prove that the voltage was coming thru it, and it is. In past iterations of this thing I have sat there and replaced resistors in both voltage dividers until I got a working balance. It isn't working that way now. I don't know what to do, I am baffled. If you can help email me : Scott Also, I am very busy and way behind on more than a few other projects, so it would be good to hear from people that have worked on this type of thing.

I was supposed to deliver 6 proto-type boards Sunday night - not. They want to leave for spring training on Tuesday. I stayed up all night Friday to get some morse code oscillator kits together that we had kids assemble at the Puyallup hamfest on Saturday. They were a hit. My 12 year old son and my employee helped 13 kids put together the kits. I took a 2 hour nap when we got back and then finished assembling these boards only to find out that they hate me. Now I am very tired and braindead. I have been working on this trying to nail down the problem - add diodes - not, lower driving voltage on MOSFET (change divider "B" values) - not, nothing - arg! HELP

More probably not related stuff: there is a battery charger on this board (working per spec), and also the divider for the sense on the comparator really has 3 resistors, the first tap goes to the same basic circuit as shown here, but the load is an LED set by the divider to turn it on when the supply drops below 11.2 volts. I was thinking while typing this line and thought that maybe the voltage was feeding thru the LED and its resistor, so, I just cut that resistor - absolutely no change - the voltage is feeding back thru the MC3164P-3.

More more stuff - this is not the first set of these boards - the first ones worked fine, but now we want more bells and whistles of course... Look here Look here

--

Scott Gregson - KC7MAS
emtech@steadynet.com
<http://emtech.steadynet.com>

1127 Poindexter Ave W
Bremerton, WA 98312
++++++
Scott Gregson Co. / Emtech / CFC

Date: Mon, 12 Mar 2001 04:53:45 -0800 (PST)
From: Doug Bankston <dougbankston1@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [93989] TenTec Argo II (535) FS/Trade
Message-ID: <20010312125345.16647.qmail@web4306.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

FOR SALE/TRADE:

TEN TEC Argonaut II (Model 535). For those of you not familiar with the 535, its almost identical to the Delta II, only the 535 has the 5 watt finals.
* All solid state 160 - 10m xcvr (w/warc). Gen coverage rcvr. Full Digital readout (07.040.00)
* famous ten tec filtering & qsk.

- * Fantastic receiver (download qst's product review from QST magazine's website.
- * Excellent electrically/cosmetically. Only one small ding on the top of the rig which a previous owner covered with a very small spot of paint. The spot is about 1/2 the size of a dime.
- * Original manual and hand mic.

\$600 (Shipping/Insurance included).\

Would consider \$525 + a fun rig like an OHR Explorer, MFJ Cub, or similar xcvr I can take camping)..

Please reply to my w4idw@yahoo.com e-mail account. I only check this account every 2 or 3 days and your reply might accidentally get deleted. Thanks es have a nice Day

de Doug W4IDW Stafford, Virginia
w4idw@yahoo.com

Do You Yahoo!?
Yahoo! Auctions - Buy the things you want at great prices.
<http://auctions.yahoo.com/>

Date: Mon, 12 Mar 2001 08:11:59 GMT
From: Walter D Amos <walt_amos@juno.com>
To: richqrp@home.com
Cc: qrp-1@lehigh.edu
Subject: [93990] Re: message repeats????
Message-ID: <20010312.081932.-247141.8.walt_amos@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

highlight one message (turn it blue) hit the CTRL-A key combination (they all turn blue) hit the DELETE KEY (they all go away)

Now you know !

Baloooooooooooooooooooo

On Sun, 11 Mar 2001 20:45:12 -0800 "Rich Wilkerson" <richqrp@home.com>
writes:

> I just got back and checked my mail, only been an hour or so, 195
> new
> messages..... yes I think something is wrong also..... Rich /
> WD6FDD

>

>

>

> ----- Original Message -----

> From: "John A. Evans - N0HJ" <jaevans@codenet.net>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Sunday, March 11, 2001 7:19 PM

> Subject: message repeats????

>

>

> > Greetings,

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> > Is anyone else getting message repeats right now from the last
> week or

> is

> > it just me or my ISP that is having a deja burp??

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> > BTW, I finished my MS-15 to match my MS-30 from Steve Weber -
> these two

> > little rigs are very nice and will go together in a single case
> with

> switch

> > for a two-band backpacking rig for 30m and 15m.

> >

> > 72 - john - n0hj

> >

> >

>

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 12 Mar 2001 08:15:53 GMT

From: Walter D Amos <walt_amos@juno.com>

To: qrp-1@lehigh.edu

Subject: [93991] Fw: QSK IS GREAT BUTFw: Re: Opinion on FT-847 on HF?

Message-ID: <20010312.081932.-247141.10.walt_amos@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

now here is a message that will come back again and again

haunt me

haunt me

oh my god !

Look at all the bad spelling and punctuation :-)

Baloooooooooooooooo

----- Forwarded message -----

From: Walter D Amos <walt_amos@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Date: Sun, 11 Mar 2001 22:10:16 GMT

Subject: QSK IS GREAT BUTFw: Re: Opinion on FT-847 on HF?

Message-ID: <20010311.222911.-120683.3.walt_amos@juno.com>

Folks:

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It probably gives you a edge in a DX pile up, but in contesting where you just send a programmed reply I use a foot switch or vox with about 5 ms delay. Just enough delay so the darn thing is switching away like crazy for long contest hours at the rig and wearing it's little heart out.

Walt K8CV

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To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Date: Sun, 11 Mar 2001 16:35:24 -0600

Subject: Re: Opinion on FT-847 on HF?

Message-ID: <3.0.2.32.20010311163524.006af0d4@mail.globeco.net>

References: <20010311000308Z76377-20847+252@astro.CC.Lehigh.EDU>
<004101c0a9d5\$45fcd6a0\$7329f7a5@oemcomputer>

Folks,

This is not exactly true.

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>> There might be other shortcomings that I am unaware of, but significantly --

>> these are key and critical if you want to work contests on either SSB or CW.

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Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1

ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

RARA #3, NETXQRP <http://www.angelfire.com/tx4/netxqrpclub/>

[TMPS] Qs - 80, States - 29, DX - 22, 3W to HF9V (or W9INN Inv V)

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 12 Mar 2001 08:27:45 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <K5BDZ@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [93992] Re: QRP-L Full ?? Bounced e-mail??

Message-ID: <[005b01c0aaf8\\$3bf38400\\$6201a8c0@INSYDENT](mailto:005b01c0aaf8$3bf38400$6201a8c0@INSYDENT)>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I'm not getting the bounces, but I haven't been able to post or reply

for
over a week.

This mail for example is a reply to both you Bill and to the group and I probably won't show to the group.

I've sent a number of letters off about it, but I think they are just being ignored and go the way of the post. So I don't think the list administrators are even seeing my emails.

If you see this, can you forward this to the list management for me?

Mike

----- Original Message -----

From: <K5BDZ@aol.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Sunday, March 11, 2001 10:46 PM

Subject: QRP-L Full ?? Bounced e-mail??

> I'm getting bounced e-mail from QRP-L with the Mailer -demon stating
> the
> mailbox is full
> Gonna see if this one gets thru
> Bill 'BDZ
>

Date: Mon, 12 Mar 2001 08:33:50 -0500 (EST)
From: mulveyr@iname.com
To: qrp-l@lehigh.edu
Subject: [93993] Re: message repeats????
Message-ID: <200103121333.IAA27761@mulvey.dyndns.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> highlight one message (turn it blue) hit the CTRL-A key combination ()
> they all turn blue) hit the DELETE KEY (they all go away)
>
> Now you know !
>
> Balooooooooooooooooooooo

>

I'm pretty sure that's not going to do a heck of a lot of good on my Unix box. :-)

On the other hand, my procmail script that gets rid of all qrp-l messages more than 2 days old ensures I don't even have to see the dupes at all. :-)

- Rich

Date: Mon, 12 Mar 2001 08:33:16 EST
From: K5BDZ@aol.com
To: na5n@rt66.com, qrp-l@lehigh.edu
Subject: [93994] Re: 10.7 MHz transformer question
Message-ID: <76.87d175e.27de2a1c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 03/11/2001 9:33:42 PM Central Standard Time, K5BDZ writes:
Paul's results and findings are almost equal to mine.

Great little transformers, these Mouser 42 IF xxx series.

One more note:

For using the 42IF123 on 20 meters, just CAREFULLY (with a small screwdriver etc., break out the little ceramic tubular capacitor in the slot on the bottom of the transformer. Then put a 20 pF to 27 pF cap (if memory serves) across the windings for 20 meters. For 15 meters? too much inductance...best to wind a toroid for 15.

Bill K5BDZ >>

Date: Mon, 12 Mar 2001 06:46:59 -0700
From: "Rod Cercone" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [93995] FS: PSK-20 with case
Message-ID: <0E63p66U4PEFn7Gd6LK0000728c@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

\$160 Shipped CONUS

Well built and working FB, with the cool case sold by SWL.

Too little time to operate these days so off it goes (sadly) to a good home.

73, Rod NØRC
Ft Collins CO

Date: Mon, 12 Mar 2001 08:47:45 EST
From: Shephed@aol.com
To: <qrp-1@lehigh.edu>
Subject: [93996] Re: Whiterook
Message-ID: <88.37f61e2.27de2d81@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Ken,
I have one and enjoy it a lot.
For the price it's a great little set of paddles.

To keep it in place, I use some Velcro=AE on the desk, and a light touch on=20= the paddles.

72, oo
Dan, N8IE

In a message dated Sun, 11 Mar 2001 3:55:58 PM Eastern Standard Time, "Ken=20= Kirkley" <ogbc@mindspring.com> writes:

<< Anyone using the Whiterook two lever paddle? Am looking for an inexpensive/decent paddle to use with my QRP rig. I like their price, but want to know about their quality.

If you are using one, do you have any problems with it moving around due to its light weight?

73 & God Bless,
Ken/NØ4D

>>

Date: Mon, 12 Mar 2001 09:33:13 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <ctrask@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [93998] Re: Please fix!!!
Message-ID: <00e001c0ab01\$62116cc0\$6201a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmm, it APPEARS I can now post to the list again...

Back when this problem started 10 or 11 days ago, my ISP provider hiccuped as well. I had sent my Quicken files to myself. That way I could 'pick them up' the next morning at work to have a copy there.

Well, they showed up 8 times! From one send. Since there were 8 copies I deleted all but one of them. Then the next morning when I got to work there was nothing in my pending mailbox. Seems just deleting any ONE of the copies told my ISP that I was deleting it from my online mailbox.

No big deal, but it showed me that the email was messing up, and I became wary of it. And in my 'watching' it a little more closely than normal over the next few days I realized nothing I posted to QRP had been echoing back to me.

But... That appears fixed now. (And I don't think it's worth posting again since the 'replies' are all old now, and the one new post I had sent I found the answer on one of the Elecraft links.)

Mike

> On Sun, 11 Mar 2001, Paul Womble wrote:
>
> > The list has the hiccups!!!!!!!!!!
> >
>
> It's not just this list. I received almost 200 emails here that I
> know I had deleted earlier. They were dated from 6 March to 8 March,
> and
> I had to wade through the entire mess to sort it out from amongst all
> the
> new ones. Second time in a week that my ISP has made a mess of the
> email.

My only reason for pointing it out was in case someone was considering the FT-847 and didnt know. There are so few rigs manufactured these days in that price range that dont offer both full and semi break-in, that one would could assume it was included.

73 de Dave, N0IT

Date: Mon, 12 Mar 2001 09:11:34 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: sjolin@swbell.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94000] Yaesu FT-847 -- No QSK, No VOX
Message-ID: <3.0.2.32.20010312091134.00a884f0@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Folks,

What Dave is saying is correct. There is no real QSK and there is no VOX in the Yaesu FT-847.

For CW operation, the manual calls semi break-in "pseudo-VOX". You can adjust the recovery time from 10 to 300 ms.

Here's what the manual sez in the CW Transmission section:

"Although the FT-847 was not designed for 'full QSK' operation, the minimum setting of Menu #9 (10 ms) will be very close to full break-in performance."

You decide!

At 10 ms, the relay chatters too much. I use a delay setting that works for me. By changing up my sending speed, I can let the relay drop out and hear the sending station in the case of things like Fox hunting.

Works for me for CW and I'm not much for SSB operation anyway except on 6 meters and satellites and such where VOX is not all that much help. Otherwise, I find the FT-847 to be a fine mid-priced multi-band transceiver with good DSP filters and full duplex satellite capability. And it gets down to about 3 W for QRP operation.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
RARA #3, NETXQRP web =96 <http://www.angelfire.com/tx4/netxqrpclub/>

[TMPS] Qs - 71, States - 28, DX -18, 3W to HF9V (or W9INN Inv V)

Date: Mon, 12 Mar 2001 10:35:02 -0500
From: ed.kwik@delphiauto.com
To: qrp-1@Lehigh.EDU
Subject: [94001] Michigan QRP Net
Message-ID: <05256A0D.0055B255.00@uskokg99.delcoelect.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

We had a good turn out last week:

N8UN	599 599	EAST JORDAN, MI	ED NW40
W8TJ	559 589	FRANKINMUTH, MI	TOM INDEX QRP+
W8KC	599 589	LAKE ORION, MI	PAUL NC20
N3AO	559 559	PAOLI, PA	CARTER K2
WB8RCR	559 559	MIDLAND, MI	JOHN NC20
WB9YDJ	559 559	LIBERTYVILLE, IL	VANCE K2
WB0CLD	559 539	ST. CHARLES, MO	BILL 38 SPL
WA8BXN	569 599	KIRTLAND, OH	MIKE DSW40

The question posed to the net was, what is your favorite QRP rig?

The Michigan QRP net meets each Tuesday night a 9:00 PM Eastern time on 3.535 MHz. All hams are welcome.

TMPS-2001 Mar 12, 2001 Q's = 58 States = 20 DXCC = 14
SWL-30+ with K1EL keyer and Kent Paddle 2 W and dipole/extended quad loop

States Worked (in order) NC NY TN MD VT MA NH IL SC MI NJ PA WI MO FL WA MN IN
VA ME
DXCC --- K LZ FG V3 PT YO PJ8 PJ2 9A1 HB9 VE3 FM IK2 SP6 VP2E

Date: Mon, 12 Mar 2001 11:37:33 -0400
From: "Dave Marling" <dbm@kklis.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [94002] Re: OT: Ten-tec reflector info?
Message-ID: <009501c0ab0a\$5c552340\$ff2ffea9@master>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> <http://www.qsl.net/n4zwq/reflect.htm>

This url will take you to a page with a link to the ten-tec site. The link to subscribe or to the faq page both gave me an error.

I went to <http://www.qth.net/> and clicked on "EMAIL REFLECTORS" then click on "Select List" to bring up TenTec. After that fill in your e-mail address and click the "Subscribe" button and then "Submit Request".

I just received a message from Majordomo@qth.net saying my request to join had been forwarded to the ten tec list owner for due consideration.

Dave
VE1VQ

Date: Mon, 12 Mar 2001 09:44:25 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [94003] RE: Opinion on FT-847 on HF?
Message-ID: <000001c0ab0b\$52b8b300\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

No VOX? I can live without QSK since it offers full duplex cross-band operation, but NO VOX? Very odd! Is there an add-on VOX? Even building one wouldn't be a problem...

73/
Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Dave Sjolín
> Sent: Monday, March 12, 2001 8:35 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Opinion on FT-847 on HF?
>
>
> Alan Kaul wrote:

> >
> > Dave, et. al., who have joined the fray over full break-in....
>
> I'm not saying the FT-847 isn't a great rig, I even considered buying
> one at one time and may still for VHF. For ME, the absence of QSK and
> VOX was a problem. But for many, if not most hams, it would probably
> make no practicable difference.
>
> My only reason for pointing it out was in case someone was considering
> the FT-847 and didnt know. There are so few rigs manufactured
> these days
> in that price range that dont offer both full and semi break-in, that
> one would could assume it was included.
>
> 73 de Dave, N0IT
>

Date: Mon, 12 Mar 2001 09:01:01 -0700
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [94004] TS-830S & HD-1410
Message-ID: <F9645092A142D3118CBD00805F15292E123F920D@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

I just acquired a Heathkit HD-1410 Keyer. Does anyone know of any problems of hooking this up to a TS-830S?

Thanks

de KI00T, Brad

Date: Mon, 12 Mar 2001 11:03:48 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <vintage@best.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94005] Re: 125 years ago today
Message-ID: <1010212110348.LAA04930@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 3/11/01 2:07 AM, Robert P. Okas at vintage@best.com wrote:

>No one else mentioned this on the list, but exactly 1.25 centuries
>ago, someone uttered the words "Watson, come here. I need you." Such
>was the humble birth of the telecommunications age. Curious how things
>have evolved and a unit of measurement was dubbed after the alleged
>inventor of the telephone. Alleged, because of a few contestants.
>Regardless, Alexander Graham Bell is the one we celebrate.

The most amazing thing about Bell's experiments was that the electronic theory at the time did not allow for analog signals -- everything was either a full, flowing current or no current.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Mon, 12 Mar 2001 08:37:58 -0800
From: Russ Dow <n7dw@pacbell.net>
To: dbm@klis.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94006] Oops! (Was OT: Ten-tec reflector info?)
Message-ID: <3AACFB66.1066E970@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Thanks for the info, Dave.

I found the link on qsl.net, but didn't try it because I didn't want to subscribe. Simply ass-umed it would work. My apologies...

73,
Russ N7DW

Dave Marling wrote:

>
> > <http://www.qsl.net/n4zwq/reflect.htm>
>
> This url will take you to a page with a link to the ten-tec site. The link
> to subscribe or to the faq page both gave me an error.
>
> I went to <http://www.qth.net/> and clicked on "EMAIL REFLECTORS" then click

> on "Select List" to bring up TenTec. After that fill in your e-mail
> address and click the "Subscribe" button and then "Submit Request".
>
> I just received a message from Majordomo@qth.net saying my request to join
> had been forwarded to the ten tec list owner for due consideration.
>
> Dave
> VE1VQ

Date: Mon, 12 Mar 2001 10:39:39 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'n9vv@n9vv.com'" <n9vv@n9vv.com>, Low Power Amateur Radio Discussion <qrp-
l@lehigh.edu>
Subject: [94007] RE:
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA01303501@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

I think someone posted (about a week ago), that if you want
*blank logbook pages", just hit the "Form Feed" button on your
computer's printer for as many pages as you like! I guarantee
every one of them will come out blank.

However, if you are looking for logbook sheets with rows and
columns, sort of like ARRL logbooks, then you can use Word
and its table-creating abilities to make up your own log pages
with whatever column headings you choose, Ken.

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: n9vv@n9vv.com [SMTP:n9vv@n9vv.com]
> Sent: Thursday, March 08, 2001 10:00 AM
> To: Low Power Amateur Radio Discussion
> Subject:
>
> OT: pgm to print blank logbook pages?
> Hi, does anyone know of a program or template for formatting and printing
> blank logbook pages?
>
> Tnx,
> de Ken N9VV <n9vv@n9vv.com>
> <http://www.n9vv.com>

Date: Mon, 12 Mar 2001 16:56:23
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [94008] Re: Standalone QRP RTTY homebrew system?
Message-ID: <F125MlGxZ2qZNh42FjK000006c34@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Kevin Anderson (k9iua@juno.com) wrote:

>I know that PSK-31 (and MFSK-16, etc.) seem to
>be the "rage" these days among the digital modes,
>especially for QRP operations.
>
>Call me "old fashioned", a "luddite" or whatever,
>but right now I find the contemplation of trying
>those modes to be out of reach. I don't have the
>necessary computer setup in the shack for one
>thing. And second, I don't know, but I have
>"trouble" with modes that require DSP hardware,
>a "fast" processor, 32-bit Win software etc just
>to make them happen (at least it seems with
>Digipan software and so on). It seems a bit much.
>(snip...)

You don't need to do PSK31 with sound card DSP. People
do it this way - and *only* this way - because it
requires minimal effort and investment on their part.
In 2001 a computer that can get the job done (P166MMX
or better) is a minor consideration.

>(snip...)
>My thought was to run FSK instead of the SSB
>mode as most digital is done these days. A
>modem chip, along with a PIC processor, would
>decode the received signal for the LED. Transmitting however would be
>through the
>transciever as FSK. The trick would be in the
>VFO and keying circuitry...

You could do this. There are still such things as
hardware modems, like the 400 and 1200 baud PSK
modems people have used for years on the satellites.
These convert between a PSK waveform and a bit
stream. Once you've sorted out the modulation, it
doesn't take much horsepower to handle the 31.25

bits per second that are left over.

People use SSB radios because DSP implementations cannot work directly at the radio frequency. So they convert to an audio ("baseband") IF and do the business from there. You could make a PSK modem that worked directly at RF, but it would be far easier to convert to an IF and process from there, at least on reception. For transmit, feed the shaped bit stream to a balanced modulator and have fun.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Mon, 12 Mar 2001 10:18:58 -0700
From: "Bruce Kizerian" <kizerian@ced.utah.edu>
To: <aa4lr@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94009] Re: 125 years ago today
Message-ID: <004501c0ab18\$87347260\$316b6e80@ced.utah.edu>

>
> The most amazing thing about Bell's experiments was that the electronic
> theory at the time did not allow for analog signals -- everything was
> either a full, flowing current or no current.
>
I work with a lot of students, techs, and engineers who think that this is still true!

Bruce kk7zz

Date: Mon, 12 Mar 2001 12:21:08 -0500
From: kfglynn@mindspring.com
To: qrp-l@lehigh.edu
Cc: njqrp@njqrp.org
Subject: [94010] FS: Shack Cleaning
Message-ID: <Springmail.105.984417668.0.57815500@www.springmail.com>

Hi gang,

I'm looking to purchase a rig and would like to sell the following to offset the cost. Please reply directly and prices include s/h to lower 48 states. Perhaps a bit more to Canada.

Icom IC-728 HF rig 160 M through 10 M with FL-232 350 Hz CW Filter \$480

MFJ-9030 30 M CW Rig \$105

MFJ-9440 40 M SSB Rig \$155

MFJ-9420 20 M SSB Rig \$155

MFJ-931 Artificial Ground \$55

Hi Mound HK-708 Straight Key \$40

Radio Shack 2 M Amp - 30 Watts Out \$35

MFJ Econo Keyer II \$15

Autek QF-1 Audio Filter \$25

Old J38 Straight Key \$20

If you'd like more info please let me know and thanks.

72 Kevin N2T0

Date: Mon, 12 Mar 2001 09:29:39 -0800 (PST)
From: agtaylor@llnl.gov
To: qrp-1@lehigh.edu
Subject: [94011] WE6W
Message-ID: <200103121729.JAA28991@poptop.llnl.gov>
MIME-Version: 1.0
Content-Type: TEXT/plain; CHARSET=US-ASCII

Ed, WE6W, had dropped off the radar of late and I gave him a call yesterday. He has moved and will not be on the air for the foreseeable future. His hand/elbow/back problems continue.

He sends his regards to the QRP gang.

73 Allan K7GT

--

Allan G Taylor

agtaylor@llnl.gov

Date: Mon, 12 Mar 2001 11:39:50 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU, George Baker <w5yr@att.net>, Lew Paceley <lew@paceley.com>, Richard Kapalczynski <n5ji@yahoo.com>, Dwain Lawhon <dlawhon@ix.netcom.com>, Bill Pierrard <k5jhp@flash.net>, Don Wines <dwines@tyler.net>, Preston Buck <pbuck@flash.net>, Larry Jones <ljones@flash.net>,
Subject: [94012] NETXQRP Club Meeting
Message-ID: <3.0.2.32.20010312113950.00aee970@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

QRPLers,

The next meeting of the NETXQRP Club will be held this coming Saturday.
Interested folks are invited to attend.

March 17, 2001
1:00 to 3:00 PM (or so)

John Y Miguel's Cafe (Tex/Mex & 'merican)
104 State Highway 205
Terrell, TX
Phone: (972) 524-1447=20

Directions:
Miguel's is on the west side of Terrell. It is on 205 north, near the intersection of I-80, 205, and 148. 205 goes north from I-80 toward Rockwall and 148 goes south back across I-20. Go north on 205 about 1/4 mile and it's on the right. Big place, hard to miss. It's just past a Kuick Kar lube-and-tune place and across the road is a Walmart plaza.=20

If you have a favorite QRP something you'd like to bring along, please do. Weather permitting we may try some portable operation either behind the restaurant or at a local park in Terrell. Come join the fun!=20

For more NETXQRP Club info check our website: <http://www.netxqrp.org/>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
RARA #3, NETXQRP web =96 <http://www.angelfire.com/tx4/netxqrpclub/>
[TMPS] Qs - 71, States - 28, DX -18, 3W to HF9V (or W9INN Inv V)

Date: 12 Mar 2001 12:38:51 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-l@LeHigh.EDU
Subject: [94013] trade - BLT
Message-ID: <20010312173851.27825.qmail@aw162.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

I have an unbuilt BLT in the box (opened to look at and then reclosed) th=
at
I'd like to trade for a built ZM-2. Will pay the difference.
thanks.
mike

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Mon, 12 Mar 2001 12:39:30 -0500
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <kizerian@ced.utah.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [94014] Re: 125 years ago today
Message-ID: <005401c0ab1b\$74f42d40\$df2b3604@dbw11main>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Oh yes, we do live in a digitally oriented world don't we. I too have
encountered many engineers in my earlier career who didn't know anything
about analog - and that was 15 to 20 years ago. My guess is that it is
more prevalent today.
OTOH, the stuff we are doing with DSP now-a-days puts a reverse slant on
things.

73,
Don Wilhelm -Chapel Hill, NC W3FPR home page:

<http://www.w3fpr.webprovider.com>
QRP-L # 485 K2 SN 0020 [mailto: w3fpr@arrl.net](mailto:w3fpr@arrl.net)

----- Original Message -----

From: "Bruce Kizerian" <kizerian@ced.utah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 12, 2001 12:18 PM
Subject: Re: 125 years ago today

>
> >
> > The most amazing thing about Bell's experiments was that the electronic
> > theory at the time did not allow for analog signals -- everything was
> > either a full, flowing current or no current.
> >
> I work with a lot of students, techs, and engineers who think that this is
> still true!
>
> Bruce kk7zz
>
>
>
>

Date: Mon, 12 Mar 2001 11:49:09 -0600
From: david gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [94015] For Sale - NorCal -20 Kit (unbuilt)
Message-ID: <5.0.2.1.0.20010312114148.00a20ec0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good afternoon,

Selling my unbuilt NorCal-20 kit.

As delivered by NorCal, part bags unopened.

\$100 includes shipping to US fifty.

Thank you,

de Dave, NF0R nf0r@slacc.com

Date: Mon, 12 Mar 2001 11:45:46 -0600
From: Ken Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [94016] Elecraft K1/ F5PBL Claude
Message-ID: <20010312.120043.14310.19.n4so@juno.com>

Elecraft K1 nr. 480 is now active from Claude,
F5PBL. If anyone contacts this station on 14.060
please let me know. He is active after 1730Z.
From: "F5PBL" <f5pbl@qsl.net>
Date: Sun, 11 Mar 2001 20:23:39 +0100
Subject: [Elecraft] K1 #480 delivered
Hi Ken !

K1 #480 is running !! I am on almost every day on +-14.060 starting 1730Z
Should it not be possible during the week, we can check for a possible
sked on saturday/sunday !

Hope to meet you soon !

73 QRO
Claude, F5PBL
K1 #480

-----Message d'origine-----
De : Charles K Brown <n4so@juno.com>

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K1 #260

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 12 Mar 2001 13:22:08 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [94017] Radio Shack DSP unit spoken for
Message-ID: <200103121322_MC2-C87A-F385@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Wow, that was FAST. Someone spoke for the RS DSP unit almost before the posting left Bismarck (via Pony Express, of course!). Thanks to all who responded. =

72,
--Doc/K0EVZ

Date: Mon, 12 Mar 2001 10:27:57 -0800
From: Scott Gregson - KC7MAS <emtech@steadynet.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [94018] RE: Help with a load switching problem - not really QRP
Message-ID: <3AAD152C.60C81370@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Another thing about my circuit, the MC34164P-3 has hysteresis built in, yes I know batteries bounce back up after voltage is removed. I've dealt with all of that. The solution has been to tweak divider "B" until the MOSFET turns on happily (no reduction in current to motor), and then tweak the sense divider "A" until the thing turns off at the right time. The problem now is that when I do that there is not enough juice to turn on the MOSFET when there should be - when voltage is well above the divider "A" set point.

What is happening (I have made well over 150 of these boards and they work fine) is that I cannot find a balance point. If I get it so that the divider "A" voltage is where it should be, and the drive voltage on the MOSFET is just right, the motor will run (after I kick start the MOSFET) but will not turn off and on again (when the voltages are right). If I kick-start the MOSFET, and let it run the circuit will indeed turn the load off.

I have been thru many iterations of this thing, the board being in the bottom of the box with the LEDs on the ends of wire, the LEDs now on the board, add a "I'm getting low" indicator light, even this basic board worked well before I made a change that should not have changed anything but for the better (I divided the charge circuit's supply from the comparator's supply) what put the switches on the board - side job from hell!! Although I am hating this thing now, I have had good functioning luck with it.

I think I am going to bite the bullet and tell the customer I can't get it to work, I cannot invest any more time into it. I keep hoping (for 2 years now) that they will just stop and get the thing to market. Now, they finally are ready and my stupid board won't work anymore. My (ex?) friend got me into this - what are friends for anyway? Hi Hi.

By the way, I have a missionary friend who ministers at prisons in the Northwest. He is undergoing chemo therapy right now and he needs some help. I have set up a little thing where you can order basic business cards and I'll send him the proceeds. If you need some business cards, and can do with one of the 9 layouts that presently have listed, please consider ordering from us for this next batch! To see it go to:

<http://www.steadynet.com/printshop>

You'll need to pay by credit card, and also you must put BLACKBURN in the "where did you hear about us" field on the payment and shipping page. I just noticed that we need to put a quantity field in the form, so you'll need to put the quantity in the "how did you hear about us" block also. My helper will be back in a few hours, and I'll sick him on fixing that.. Ah, never mind I fixed it - you can select 500 or 1000.

Thank you!
~Scott

--
Scott Gregson - KC7MAS
emtech@steadynet.com
<http://emtech.steadynet.com>

1127 Poindexter Ave W
Bremerton, WA 98312
+++++
Scott Gregson Co. / Emtech / CFC

Date: Mon, 12 Mar 2001 13:57:44 -0500
From: sergio <sergio@village-buzz.com>
To: qrp-l@Lehigh.EDU
Subject: [94019] Circuit Board Update
Message-ID: <5.0.2.1.0.20010312135517.00addc08@mail.bright.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Circuit Board Update

For some reason, I have been flooded with requests for packets of circuit board material. Unfortunately, at this time, I just can't pull it off, for a couple of reasons:

I am just too busy these days. Somehow, I lucked into a film deal with the stuff I had going on in the past few years. Pretty sweet, but it also leaves me no time for anything else.

This project was WAY expensive. When you mail out the sheer volume of material that I previously mailed out, you realize just how bad the postal service is. In short, just in sending replacement packages that the postal service lost, I ended up in the hole a bunch of money.

Because I am so busy, I can't promise it will get them right out like I could before. I don't want to offer this service when I can't deliver in a timely manner. I am working on getting material for the pig guys, but even that is hard.

At this time, the demand for double-sided boards is very small. We mainly do multilayers. This means that it takes a very long time, and lotsa luck to get good material for qrp use.

And finally, when the post office would lose stuff, I would get tons of nasty nasty emails and letters in the mail threatening to expose me for a crook or come down and teach me a lesson. All over \$3.20. Which I ended up paying twice (sometimes more than that!) to a bunch of people with really terrible manners.

So, as soon as this movie is released, and I return to sanity, I will start working on this again.

For those people in the pig group that I have promised a box of material, fear not. I am not leaving you hanging, but as for the other orders, I just don't have time to take care of that right now.

Also! For those of you who have paypaled me money, I will paypal it back to

you.

If anyone needs to contact me, please email me directly, as I only skim the list when I have time. And I probably haven't skimmed it for months.

Egads..

peace,

sergio

www.Village-Buzz.com <- the village buzz

www.Village-Buzz.com/CoffeeBlack <- Rock Photo

"quoting other people is really lame and unoriginal" ...sergio

Date: Mon, 12 Mar 2001 18:55:20
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [94020] Re: Which processor, Thanks!
Message-ID: <F301I7j6d0qNS8LxVyq00006ede@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

...and the answer is?

A brief summary of the results might have been nice.

My purchasing decisions are usually more along the lines of walking in to the computer store and asking what they have. Real preparation means phoning ahead.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Tue, 6 Mar 2001 10:23:40 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [94021] RE: Random length, end-fed wire antenna question
Message-ID: <000101c0a651\$6c067c20\$df0cf618@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Patrick:

Years ago I installed an IC-735 Icom xcvr on "Passages", KA3WJW's 42-ft. ketch. However, instead of very expensive backstay insulators we installed a wire that ran through a series of standoff insulators up the mizzenmast (all wooden spars). At the top, we used a couple of electrician's "bugs" to link the vertical wire to the so-called triadic wire linking the main mast and the mizzen. The antenna comprised an inverted-L.

The trick with any short end-fed is to work it against an effective ground. On Passages we installed a jumbo deck-mounted steatite feedthrough insulator and placed an Icom AH-2 automatic antenna tuner immediately below the deck. We then ran strips of copper, that were about four or five inches across, from the tuner to the nearby water tank. I also strapped the water tank to the ship's keel, and strapped the engine block and fuel tanks into the affair as well.

It worked extremely well!

Similarly, on our little Tanzer 7.5 "Sea-Q" sloop AA1MI and I occasionally operate QRP using either an Argonaut 515 or an Index Labs rig. For an antenna we haul a random wire up the main mast. One end is attached to the bow pulpit and the top slides through an insulator as a halyard raises it (with a spare halyard "retriever" line attached, just in case). The antenna then drops down to the fiberglass deck and enters the pilothouse where the rig is located near the companionway hatch. The whole affair resembles an upside down V, and is end-fed as well.

For a counterpoise, we connect a wire to the ship's keel, which is about 2,000 pounds of cast iron in direct contact with the sea water. We tune it with an appropriate LC network (have used all different types). This affair also works really well also.

I have also used a similar setup on a charter sloop in the Caribbean. On that boat I tapped into the ship's wiring as a "ground." It worked very well there too, running an Argo 509 on all bands 80 through 10 meters.

The trick is using a good ground. On your insulated backstay, you may want to mount your antenna tuner at the bottom of the stay, perhaps just below the aft deck, and also establish a solid grounding point at that location as

well. The wide copper strips formed very low inductance paths on Passages, and worked nicely even on ten meters.

GL es 73, AI2Q, Alex in Kennebunk, Maine .-.-.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Patrick McVey

Sent: Monday, March 05, 2001 2:21 PM

To: Low Power Amateur Radio Discussion

Subject: Random length, end-fed wire antenna question

I'm looking for feedback on this kind of antenna...

A) Its the backstay of a sailboat fed by an automatic tuner from an ICOM M710 running SSB.

Mast is 50 feet tall, after installing backstay insulators and being careful to keep the antenna away from people and railing, its about 23 feet long and tilted about 30 deg from vertical.

B) Its also my qrp antenna.

What are the inherent problems with tuning these antennas?

What kind of propagation does one get?

Know of any webpage links of this category?

Patrick kc7air

Date: Tue, 6 Mar 2001 11:00:03 -0500

From: "Brian" <bmurrey@amexol.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [94022] Re: Air variable capacitor value

Message-ID: <002301c0a656\$819110a0\$3d05080a@cincom.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Measure the area and spacing of what?

Do I measure the area of each blade? The ones that move, or the stationary ones, or both? How do you figure the area of something not square, round, or triangular? Do I need to deduct for the area consumed by the shaft? As far as spacing measurements, do I measure the gaps between the plates? When Open? When closed? Both? Divide by 2 and add 11 to the result?

Couldn't I just hook it up to my AADE LC meter (if I had one)?

----- Original Message -----

From: "Bob Duckworth" <wb4mnf@atl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, March 06, 2001 8:46 AM
Subject: Re: Air variable capacitor value

> All you have to do is measure the area and spacing.
> Formula is in handbooks and intro physics and electricity books.
> -bob
>
>

Date: Tue, 6 Mar 2001 08:42:49 -0700
From: "T.W." <wb5qyt@abq.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [94023] Sprint fun!
Message-ID: <MABBIKAEJKMHLIDDGMCKOEEHCFAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Sure had fun in the Sprint last night! Had 22 Q's on 20M and 27 Q's on 40M.

Highlights: Worked AB6QR(500mw) on both 40 and 20, W9FNB with his 200mw sounding good, AA8SNK with his 600mw!

Was fun working old friends and fellow qrp-1 ers!

Rigs: 20m> NC-20@ 5w.....DSW-40@ 2w.....Ant: 40m CFZ

Love these 2 hr sprints! 72, Tom WB5QYT...."Have spud will travel!"

Date: Mon, 12 Mar 2001 14:36:19 -0500
From: k8ff@juno.com
To: qrp-1@lehigh.edu
Subject: [94024] K8FF Homepage
Message-ID: <20010312.143622.-842419.0.k8ff@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Well, I finally got around to it. My webpage is very primitive but should be interesting to some. Ever since my NORCAL/K8FF Paddle was first introduced by NORCAL people have expressed an interest in my key designs. I am currently working on two projects for Vibroplex both of which should be available later this year.. Please visit my webpage and view the "VENUS" . I had it at Dayton last year but at that time it was only a an idea. I will try to add more photos as soon as possible.

Please visit: <http://hometown.aol.com/k8ff/myhomepage/index.html>

Your comments will be greatly appreciated!

72, Wayne K8FF

Date: Mon, 12 Mar 2001 14:56:35 -0500
From: "elawson" <elawson@lawson-philpot.com>
To: "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>
Subject: [94025] 500 v. 250 Filter Question
Message-ID: <007f01c0ab2e\$8c982380\$0e01a8c0@office.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am confronted with the problem of whether to install a 500 or 250 Hz crystal filter in a new Icom 718. They take a 455Kz IF filter which is soldered in. I have heard it said ringing may be a problem with a 250 filter when operating over 18 WPM. Personally, a 500 filter has always seemed too wide to me when the going got tough, but maybe the ones I used had wide skirts.

So my question to the collective wisdom, should I be concerned about ringing and audio degradation with the 250 and go with a 500? Or is the 250 generally better for serious CW work. While not a speed demon by any means, I use CW around 85%+.

TIA

Ed Lawson
K1VP

Date: Mon, 12 Mar 2001 15:14:51 -0600
From: Bryn Joynes <bryn@pcpractice.com>
To: elawson@lawson-philpot.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94026] Re: 500 v. 250 Filter Question
Message-ID: <3AAD3C4B.FC723C65@pcpractice.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Ed,

If I may make a suggestion, I would call INRAD(
<http://www.qth.com/INNRAD>) and speak to them. I just bought
filters(For KenWood TS850SAT) from them and I am very happy with the
product they make and most of all the service. Gather all your
questions together and call them for their product Catalog.

Best Regards

Bryn
N4VM

Date: Mon, 12 Mar 2001 14:20:25 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'brad.mugleston@gwl.com'" <brad.mugleston@gwl.com>, Low Power Amateur Radio
Discussion <qrp-l@lehigh.edu>
Subject: [94027] RE: Copper Clad Board
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA01303507@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

Brad (and others),

I believe that was Sergio Ruiz. I haven't seen a posting from him
for a lonnnnng time, but his E-mail address was:

sruiz@bright.net

when I last heard from him.

He was sending out "scrap" circuit board pieces for the cost of
postage.

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----

> From: Mugleston, Brad [SMTP:brad.mugleston@gwl.com]

> Sent: Saturday, March 10, 2001 2:03 PM

> To: Low Power Amateur Radio Discussion

> Subject: Copper Clad Board

>

> Someone on this list was offering to sell/ship circuit board scraps awhile
> ago. If that offer is still available I'd like to order some.

>

> Thanks

>

> de KI00T, Brad

Date: Mon, 12 Mar 2001 13:28:46 -0700

From: "Mugleston, Brad" <brad.mugleston@gwl.com>

To: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>, "Mugleston, Brad"
<brad.mugleston@gwl.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [94028] RE: Copper Clad Board

Message-ID: <F9645092A142D3118CBD00805F15292E123F93B3@eb-mail1.gwl.com>

MIME-Version: 1.0

Content-Type: text/plain

Thanks for the answer(s). I x-changed email with Sergio and he is really
busy at work right now (good thing). He will be doing this again when
things slow down but for now he is out of the scrap business.

de KI00T, Brad

> -----Original Message-----

> From: Kanalz, Karl [SMTP:Karl.Kanalz@allegiancetelecom.com]

> Sent: Monday, March 12, 2001 1:20 PM

> To: 'brad.mugleston@gwl.com'; Low Power Amateur Radio Discussion

> Subject: RE: Copper Clad Board

>

> Brad (and others),

>

> I believe that was Sergio Ruiz. I haven't seen a posting from him
> for a lonnnnng time, but his E-mail address was:

>

> sruiz@bright.net

>

> when I last heard from him.

>

> He was sending out "scrap" circuit board pieces for the cost of
> postage.
>
> Karl K - W8TIF
> McKinney, Texas
>
> > -----Original Message-----
> > From: Muggleston, Brad [SMTP:brad.muggleston@gwl.com]
> > Sent: Saturday, March 10, 2001 2:03 PM
> > To: Low Power Amateur Radio Discussion
> > Subject: Copper Clad Board
> >
> > Someone on this list was offering to sell/ship circuit board scraps
> > awhile
> > ago. If that offer is still available I'd like to order some.
> >
> > Thanks
> >
> > de KI00T, Brad

Date: Mon, 12 Mar 2001 15:45:23 -0500
From: k8ff@juno.com
To: qrp-l@lehigh.edu
Subject: [94029] K8FF PHOTO NOW WORKING
Message-ID: <20010312.154526.-1035987.0.k8ff@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

OOPS AOL MADE IT TUFF FOR ME TO INCLUDE THE CORRECT PHOTO! It is working
correctly now.

72,Wayne K8FF

Date: Mon, 12 Mar 2001 12:54:31 -0800 (PST)
From: =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [94030] Re: 500 v. 250 Filter Question
Message-ID: <20010312205431.11403.qmail@web1204.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

>I am confronted with the problem of whether to install a
500 or 250 Hz

>crystal filter in a new Icom 718. They take a 455Kz IF filter which is
>soldered in. I have heard it said ringing may be a problem with a 250
>filter when operating over 18 WPM.

Hi Ed,

I don't know about Icoms but I have the 250Hz and a 500Hz in my FT-990. I never use the 500 but use the 250Hz extensively. The 250Hz filter in the FT-990 does NOT ring, to speak of. And if things get so crowded that the 250Hz isn't narrow enough, I slide the bandpass to one side slightly, then kick in the Notch to occlude the extra BW, choking things down even more. Then I kick in the SCAF narrowing the audio down to 50Hz. If I had a DSP, I'd probably kick that in too. I enjoy the challenge of QRM (weird, huh?) when I'm on that rig. I live for picking the DX CW out of our 20m phone band between all the distorted overprocessed kilowatt SSB. If nothing else, the practice will get me ready for all the no-code Extras that will someday clutter what used to be CW subbands. Woops, how'd I end up here? In short, go with the 250Hz.

72/73,
Dale

=====

```
=====
Dale Anderson           In the Mt Washington Valley
KB0VCC                  Conway, New Hampshire
QRP-L #91 / CQC #251    Grid Sq: FN43KX
ARS #234 / FISTS #3172  http://www.qsl.net/kb0vcc
=====
```

Do You Yahoo!?
Yahoo! Auctions - Buy the things you want at great prices.
<http://auctions.yahoo.com/>

Date: Mon, 12 Mar 2001 14:02:14 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: elawson <elawson@lawson-philpot.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94031] Re: 500 v. 250 Filter Question
Message-ID: <Pine.LNX.4.31.0103121351420.1755-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ed, Today I have been working with and as luck has it, buying a Digital Signal Processor from Radio Shack of some years back. I was luck to get to Doc Quick and get his unit and the one I'm using belongs to Tim k5oi. This is a small unit with some switches on front. You feed it 12 vdc and audio from the remote speaker or earphone jack on your radio. Hook a good external speaker to it and begin to work CW.

Set the unit to CW and the bandwidth to wide. Tune in a station. If there is QRM turn the bandwidth to medium. If still QRM go to narrow. I don't know how wide narrow is but it rings a bit so it's around 200 cycles.

Your 455khz cw filter will cost about \$125.00. And it will work no better than this DSP filter that cost me \$45.00. And since it's external I will use it on my Ten Tec Argonaut too!

On Mon, 12 Mar 2001, elawson wrote:

> I am confronted with the problem of whether to install a 500 or 250 Hz
> crystal filter in a new Icom 718. They take a 455Kz IF filter which is
> soldered in. I have heard it said ringing may be a problem with a 250
> filter when operating over 18 WPM. Personally, a 500 filter has always
> seemed too wide to me when the going got tough, but maybe the ones I used
> had wide skirts.
> So my question to the collective wisdom, should I be concerned about ringing
> and audio degradation with the 250 and go with a 500? Or is the 250
> generally better for serious CW work. While not a speed demon by any means,
> I use CW around 85%+.
>
> TIA
>
> Ed Lawson
> K1VP
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 12 Mar 2001 17:10:28 -0800
From: Craig Hall <kv4ee@bellsouth.net>
To: qrp-l@Lehigh.EDU
Subject: [94032] K1 #599 on the air!
Message-ID: <3AAD7384.46EC711F@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Finished my first Elecraft kit this weekend, the K1 serial #599. Works great! Can't say enough about these kits, easy to assemble, great documentation, etc. Using 40 and 20M filter board. First contact was to N04D in "dark corner" SC. Looking forward to fox hunting with it this summer.

Also, thanks to all the foxii and anyone else who assisted in running the fox hunts. Had a great time chasing the fox! Hope to hear everyone on the bands. (have to start on my auto tuner now!)

72,
Craig
kv4ee

Date: Mon, 12 Mar 2001 16:17:34 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'elawson@lawson-philpot.com'" <elawson@lawson-philpot.com>, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [94033] RE: 500 v. 250 Filter Question
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49833@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

I've NEVER experienced any "ringing" in the 250 Hz CW filter I installed in my Ikkum-781, Ed!! iCOM filters are pretty darned good -- not "ringie" like in the early days of crystal filter manufacture.

Even at CW speeds of around 35-40 wpm, I don't detect any ringing.... just pure signals, Ed. I agree with you that a 500 Hz BW filter is a bit broad when you're trying to pick a weak one out of the noise or a

DX station in a pileup!

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----

> From: elawson [SMTP:elawson@lawson-philpot.com]

> Sent: Monday, March 12, 2001 1:57 PM

> To: Low Power Amateur Radio Discussion

> Subject: 500 v. 250 Filter Question

>

> I am confronted with the problem of whether to install a 500 or 250 Hz
> crystal filter in a new Icom 718. They take a 455Kz IF filter which is
> soldered in. I have heard it said ringing may be a problem with a 250
> filter when operating over 18 WPM. Personally, a 500 filter has always
> seemed too wide to me when the going got tough, but maybe the ones I used
> had wide skirts.

> So my question to the collective wisdom, should I be concerned about
> ringing

> and audio degradation with the 250 and go with a 500? Or is the 250
> generally better for serious CW work. While not a speed demon by any
> means,

> I use CW around 85%+.

>

> TIA

>

> Ed Lawson

> K1VP

Date: Mon, 12 Mar 2001 14:24:02 -0800 (PST)
From: agtaylor@llnl.gov
To: elawson@lawson-philpot.com
Cc: qrp-l@lehigh.edu
Subject: [94034] Re: 500 v. 250 Filter Question
Message-ID: <200103122224.0AA21320@poptop.llnl.gov>
MIME-Version: 1.0
Content-Type: TEXT/plain; CHARSET=US-ASCII

ALL (ALL!!) filters ring. Now that that is clear, I would like to put in
a word for the INRAD filters. They are cleanly designed and have what
would seem to be minimal ringing. Ringing has to do with the exact shape
of the filter bandpass, so the amount of ringing can be tweaked somewhat
by judicious design.

I had a Timewave DSP599ZX box, about the best there is, and found that
it, too rings. The MFJ and JPS units are fairly good also. All of

these units will ring at the edges of the bandpass. The brick-wall filter profile will inevitably ring on both sharp edges. DSP boxes can do a brick-wall filter much more easily than anything else, but it is NOT optimal as far as ringing goes. A nice so-called Gaussian profile is about optimal as far as ringing goes but I am not aware of any DSP units that do that filter profile.

Now on to crystal and/or mechanical filters.

My experience is with Tentec filters. I have the full set in my OmniVI (1800, 400) at 9.0 MHz, (1800, 500, 250) at 6.3 MHz (IF shift module). The 400 Hz filter at 9.0 is the one from INRAD. I find it to sound better than the 500 Hz one at 6.3 and basically put it in whenever doing contesting. I also have found that any filter is difficult to gain much benefit from for a sea of very weak signals: the ringing and filter artifacts tend to obscure the signal. However, if the signals are loud (as in a serious contest) the filter trash is not an issue and a sweep of the filter across the two (or more) signals will definitely emphasize one or another and be of great use.

Why is this all so? Well, it goes back to physics. It turns out that there is an analog to the Heisenberg uncertainly principle that applies to all complementary variables, position and velocity being the first one coming up in quantum physics. The pair of variables that applies in a filter is frequency and time. So it turns out that the product of $\Delta(\text{freq})$ and $\Delta(\text{time})$ is always greater than some number. So if your filter constrains the frequency (as in a very sharp knee in the bandpass), there will be a corresponding larger $\Delta(\text{time})$ which manifests itself as ringing.

Another reason to NOT get an outboard DSP filter is that it will not be in the rig's AGC loop. In difficult situations, out of bandpass signals (as far as the DSP filter is concerned) will pump the AGC, moving the amplitude of that portion of the spectrum you are listening to up and down!

I found the most useful feature of the outboard DSP was in its Noise Reduction function. Especially on the higher bands, it can make signals just pop out of the noise (atmospheric noise only, though). As my new rig (the OmniVI when I sold the 599ZX) has NR DSP built in and inside the AGC loop, I just didn't need the 599ZX anymore. BTW: I sold it to Dan, AE6D.

Another filter strategy that works well is to use two filters to do windowing. I use the two 1800 Hz filters and by setting the IF shift one way or the other a variable bandwidth filter can be had. I usually tune to the low note side, and can drop higher stuff off the cliff. Then if the filtering artifacts and ringing get too bad, you simply back off

to a relatively wider setting. I doubt that the 817 has IF shift, though.

Any op with reasonably trained ears can easily pick out a signal from a flock of similar amplitude sigs provided they are not too close. 50Hz or closer gets to be problematic. Or if one is many dB louder, the spacing req'd to separate using cerebral/mental filters goes wider as well. A good clean rcvr and a relatively wide bandpass (but one sideband!!) can be more useful than a tight ringy filter in a rcvr with lots of electronic junk coming from its innards.

Bottom line: extremely sharp filters generally turn weak QRP signals into soup. Only if the signals are significantly above the noise will a very narrow filter help all that much. So, I would stick with the 500 Hz filter (or a 400 Hz if you can get it from INRAD). The FOXHUNTs sound like a bunch of weak mosquitoes out here on the west coast and filtering seldom helps. That is my experience and offering of advice.

73 Allan K7GT

--

Allan G Taylor

agtaylor@llnl.gov

Date: Mon, 12 Mar 2001 17:37:10 -0500
From: "Pearson, Andrew Lennart" <apearson@flsouthern.edu>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [94035] MFJ: QRP Cub 40 M
Message-ID: <FC00442C766ED411AE3D00D0B781ED05242670@flsouthern.edu>
MIME-Version: 1.0
Content-Type: text/plain

I need some education here.

After listening to everyone, I broke down and bought my first transceiver kit as a way to get going. Three questions:

1) For testing, they outline the use of (2) 100 ohm resistors (they first say carbon and then say metal-oxide later in the manual...nothing like getting the new kid confused) in parallel across an RCA plug. Does that mean across including the center plug or only the outer sleeves?

2) Power for testing: I should know this, but I don't -- I have a variable regulated power supply that I use with my 2 meter rig up to 25 amps and 15 volts. Can this be used safely for testing the MFJ QRP Cub 40 M that needs 13.8 V, 400 mA?

3) Power cord: not having a ready-made power cord for this transceiver, I cut a power cord off an old adapter deal that had a power rating of 13.8 v & 500 mA. I've soldered two inline fuses with 1 amp fuses and then 2 gator clips on that to connect to the above power supply? Will this work, or am I going to be purchasing a new kit after I first test it? What's the better way here?

4) Unrelated sort of...on a vectronics 40M receiver kit, the tuning capacitor screw is a little loose and is changes the frequency easily by the lightest thump on the unit. Is there any compound or something else that I can use on the screw to stabilize it a little more than just my wishful thinking?

Thanks in advance. I have a bunch of other questions, like is it truly possible to build the FB40 from the schematics and pictures that were available on the website by someone who is asking the above questions? I found a stash of 2N2222 in some parts I inherited from a retired ham; is there a substantial difference between them and 2N2222A?

I'm having a great time learning ... the hill on my learning curve is a little steep right now is all.

Andrew, N4RCE
apearson@flsouthern.edu
Lakeland, FL

Date: Mon, 12 Mar 2001 17:47:16 -0500
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: qrp-l@Lehigh.EDU
Subject: [94036] Re: 500 v. 250 Filter Question
Message-ID: <3.0.5.32.20010312174716.007aa330@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:24 PM 3/12/2001 -0800, you wrote:

>ALL (ALL!!) filters ring. Now that that is clear, I would like to put in
>a word for the INRAD filters.

>

Yea..yea...yea. Karl didn't say that ' filters don't ring '. Karl said "he didn't experience any ringing". The technical fact that all filters ring is immaterial if the final user dosen't detect any ringing with his ears/brain.

Phil

>73 Allan K7GT

>

>--

>

>Allan G Taylor

>

>agtaylor@llnl.gov

>

>

>

Date: Mon, 12 Mar 2001 16:51:49 -0600

From: "Terry Bassett" <mutabut@net66.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [94037] QRPTTF

Message-ID: <002101c0ab47\$1b359ce0\$0101a8c0@pavilion>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello All;

If at all possible, I will take my K1 to the University of Illinois at Urbana-Champaign for QRPTTF.

As you may wonder what the significance of this is, it is mentioned in the Book and maybe even the movie that this is where Hal 9000 was born Hee Hee. For the Monolith I'll probably be using the assembly Hall -- a Large saucer shaped structure used for concerts and Fightin' Illini B-Ball games.

I'll put it on the air if at all possible...

73,

Terry KA9TXE

Date: Mon, 12 Mar 2001 23:08:10
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: apearson@flsouthern.edu, qrp-1@Lehigh.EDU
Subject: [94038] Re: MFJ: QRP Cub 40 M
Message-ID: <F114Yb17TWSEVU29Ahs0000997a@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

1. twist the ends of the resistors together to parallel them. Radio shack has 1 w 100 ohm resistors that should be ok to use. connect one end of the resistors to the center of the rca plug, the other end to the outside. That is, each resistor should have one end on the center and the other end on the outside.
2. Your power supply should do fine. Anything in the 12-14 volt range is good.
3. Your recycled power cord should be fine provided (1) it fits and (2) you get the polarity right (+ in the center).
4. I think the kind of tuning capacitory they are using is very prone to that problem. The best solution is to put in a better tuning cap or possibly use a varactor diode and potentiometer like most other comparable circuits use.
5. The FB 40 might not be a good project for beginners, in part because some of the parts are somewhat hard to obtain. A tuna tin II would be a much better choice. 2n2222 and 2n2222a are about the same for most purposes.

73 - Mike WA8BXN

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>say carbon and then say metal-oxide later in the manual...nothing like
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>
>

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Date: Mon, 12 Mar 2001 18:38:54 EST
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [94039] OPERATING - QRP-TTF de W5YW
Message-ID: <20010312.173448.7511.5.n5ib@juno.com>

The Louisiana State University ARC, W5YW, will operate QRP-TTF in conjunction with the Baton Rouge ARC on the grounds of the BREC-LSU-BRAS Highland Road Park Observatory, coincidentally on Astronomy Day. The HRP0 is a joint project of the Baton Rouge Parks and Recreation Dept (BREC) Louisiana State University (LSU) and the Baton Rouge Astronomical Society (BRAS) Our Monolith will be the dome of the observatory looming above us.

The observatory staff and the Parks and Recreation Dept are excited about this juxtaposition and promise publicity and even a hospitality table (she asked "Do hams eat a lot, more than astronomers?" - I haven't had the guts to look her in the eye and answer that one yet)

So, I'd like to do a display of as many of y'all's chosen locations if

possible, including pictures if you already have or can find one of your site. I'd like to have this BEFORE the event.

Therefore, if possible, drop a line to my LSU address, where I can receive attachments, and tell me the following:

Group or individual name; callsign, location; significance of the location.

attach a picture if you can.

send to <giamman@rouge.phys.lsu.edu> Please DO NOT send attachments to my juno.com addr.

72

Jim, N5IB and trustee of W5YW (LSU club)
Baton Rouge, LA [GPS: 91 6.099 W, 30 23.624 N]
Home: n5ib@juno.com LSU: giamman@rouge.phys.lsu.edu
web page: <http://www.qsl.net/n5ib>
QRP-L #1913 Zombie #648 SOC #159 QRP-ARCI #10179

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Date: Mon, 12 Mar 2001 17:46:16 -0600
From: Dave Redfearn <n4elm@home.com>
To: Ten Tec mailing list <tentec@contesting.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94040] FS: Argonaut 515 & 208A filter
Message-ID: <3AAD5FC8.DECD7EB0@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Previous deal fell through, so here we go again!

I am helping a friend clean out his shack for a relocation move.
This equipment will be SOLD, Last chance before "ePAY"!
I have this equipment and can answer questions, Pictures available on request.

Ten-Tec Argonaut 515

80 - 10 Meter SSB/CW QRP Transceiver

Serial # 515-0195, 2 - 5 watts output, Analog PT0, Superhet RX with 2.4 KHz crystal filter, RIT, RF gain

Comes with Ten-Tec 208A combination CW audio and Notch filter.

This 515 is in fair condition cosmetically. There are no major dents or dings but there are several minor scratches and the paint has flaked off in several small areas mainly on the top and rear of the case of both the 515 and 208A. Electrically the 515 is in very good condition, everything works. No mods or extra holes, everything is original.

The 515 comes with 208A, DC power cord, and photocopy of manual.

Asking \$350.00 + packing, shipping, & insurance from TX.

73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX

Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)

QRL? de N4ELM/qrp

Date: Mon, 12 Mar 2001 18:45:50 EST

From: RangerSF5@aol.com

To: Karl.Kanalz@allegiancetelecom.com, qrp-1@lehigh.edu

Subject: [94041] Re: 500 v. 250 Filter Question

Message-ID: <76.87dbdfd.27deb9ae@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 3/12/01 11:25:09 PM W. Europe Standard Time,
Karl.Kanalz@allegiancetelecom.com writes:

<<

I've NEVER experienced any "ringing" in the 250 Hz CW filter
I installed in my Ikkum-781, Ed!! iCOM filters are pretty darned
good -- not "ringie" like in the early days of crystal filter manufacture.

>>

All I can say is the more narrow the better and I have not found a better
narrow filter then the ones I purchased from INRAD.

Take a look at the curve charts and see how steep the skirts are.

Usual mumbo jumbo.

I have nothing to do with the Company.

I just think they make the best filters.

Bob

WA2HQrp <tm>

Date: Mon, 12 Mar 2001 18:58:35 EST
From: n5ib@juno.com
To: qrp-L@Lehigh.edu
Subject: [94042] HB - K7Q0's SW-30 Manhattan Project
Message-ID: <20010312.175431.7511.6.n5ib@juno.com>

This a second call, follow up on a post from the weekend.

If you are planning to join in and follow Chuck's tutelage in building an SW-30 or 30+ manhattan-style, I'm compiling a little data base of the participants that might help us organize some group buys and such. See Chuck's page <<http://www.qsl.net/k7qo>> for more info, including parts list and schematic.

As of this evening I have

K7Q0 - The Master

The "grasshoppers"

K4FB

AC5JH

KD1DDB

N0TU

KB1ENS

AC7CF and KM7KEN

WA7TQK

VK1FB

N5IB

W0CH / VK2IQX

Anyone else want to join me in the role of "grasshopper" and learn at the feet of the Master?? I've more or less decided to try to be the "crystal guy" and buy and match up crystal sets for the gang, since I need to build the test gadget and learn how to do that.

I'll give a few more days before putting all the folks together and starting organize any group acquisitions.

72

Jim N5IB

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End of QRP-L Digest 2125
